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Attorney Docket No. M2010-700119

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,017,489 B2  
Issued: March 28, 2006  
Applicants: Joseph A. Perault et al.  
Serial No.: 10/784,122  
Filing Date: February 20, 2004  
For: METHODS AND APPARATUS FOR CHANGING WEB MATERIAL IN A STENCIL PRINTER  
Examiner: J. Culler  
Art Unit: 2854  
Confirmation No.: 5283

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to ATTN: CERTIFICATE OF CORRECTIONS BRANCH, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 26, 2007.

*Keith F. Noe*

Keith F. Noe, Esq. (Reg. No. 34,686)

ATTN: CERTIFICATE OF CORRECTIONS BRANCH

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
APR 02 2007  
of Correction

TRANSMITTAL

Sir:

Transmitted herewith are the following documents in connection with the above-identified issued patent:

- ☒ Request for Certificate of Correction Under 37 C.F.R. §1.322 (2 pgs.);
- ☒ Certificate of Correction (2 pgs.); and
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 395-7000.

The Commissioner is hereby authorized to charge any deficiencies or overpayment to Deposit Account No. 50/2762, Ref. No. M2010-700119. A duplicate copy of this transmittal is enclosed.

Respectfully submitted,

*Keith F. Noe*

Keith F. Noe, Esq. (Reg. No. 34,686)  
LOWRIE, LANDO & ANASTASI, LLP  
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One Main Street  
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Attorney for Applicants

Dated: March 26, 2007  
Attorney Docket No.: M2010-700119  
804319.1

APR 3 - 2007



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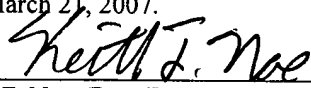
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**REQUEST FOR CERTIFICATE  
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Sir:

Applicants submit herewith a request for correction under 37 C.F.R. §1.322 of the above-identified issued patent, to correct a mistake in the specification through no fault of the Applicants. Page 2 of the originally submitted specification was omitted by the U.S. Patent and Trademark Office on the issued patent.

A copy of the Request as filed is enclosed for your consideration.

It is respectfully requested that the correction shown on the attached sheet be made to the patent. There is no required fee as set forth under 37 C.F.R. §1.322 since the error was not made by the Applicants.

It is requested that the undersigned be contacted by telephone at (617) 395-7039 with any questions relating to this Request.

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Applicants: Joseph A. Perault et al.  
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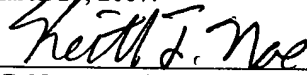
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.: 7,017,489 B2  
DATED : March 28, 2006  
INVENTOR(S): Joseph A. Perault et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification:

Page 1, Column 1, line 43, after "standard cartridge.", please insert the following paragraphs:

"In some prior art stencil printers, any excess solder paste remaining under the squeegee after it has fully traversed the stencil, remains on the stencil when the squeegee is returned to its initial position for printing on a second circuit board. Usually, as the squeegee passes the solder paste over the apertures, minute amounts of solder paste seep through the apertures to accumulate at the bottom side of the stencil. This presents various problems such as the solder paste being inadvertently disposed on the unintended areas of the circuit boards. Also, as the solder paste hardens, it complicates the alignment procedure of a circuit board with the stencil. Also, such hardened solder paste may jeopardize the quality of subsequent printing operations. Therefore, it is highly desirable to remove the excess solder paste that forms on the bottom of the stencil.

U.S. Patent No. 5,918,544 to Doyle represents one prior art stencil printer having a well-known method and apparatus for cleaning the bottom of the stencil. Doyle discloses a wiping system that is positioned near the vicinity of the stencil and moves beneath the stencil from one end of the stencil to the other end. As the stencil wiper system moves beneath the stencil, it wipes off excess solder paste at the bottom of the stencil.

FIGS. 1 and 2 disclose such a prior art stencil wiper system, generally indicated at 10. As shown, a paper supply of a prior art stencil wiper system 10 includes a roll of paper 12 housed on a supply roller 14, several paper guide rollers 16, a take-up roller 18 for receiving used paper, and a paper or web material driver 20 for moving the paper across the stencil in a linear direction from the supply roller 14 to the take-up roller 18. The stencil wiper system 10 further includes a hollow solvent tube 22

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification: (continued)

Page 1, Column 1, line 43, after "standard cartridge.", please insert the following paragraphs:

with numerous small openings formed along the length of the tube 22, and a wiper blade 24 having a vacuum plenum 26 for removing excess moisture and hardened solder paste from the paper as it travels underneath the stencil. The wiper blade 24 moves the web between a position in which the paper is spaced away from the stencil and a position in which the paper engages the stencil. During a cleaning operation, a paper winder motor of the web material driver 20 rotates the take-up roller 18 (and paper supply roller 14), which passes paper through the paper guide rollers 16. Between the paper guide rollers 16 there is the hollow solvent tube 22 that is filled with solvent by a solvent pump, which causes the solvent tube 22 to squirt solvent through its numerous holes onto the paper as it passes the solvent tube 22. The solvent impregnated paper is passed over the wiper blade 24, which holds the paper in place as the stencil moves over the paper, thereby cleaning the stencil."

MAILING ADDRESS OF SENDER:

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No. of additional copies: 0

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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